



U.S. Department  
of Transportation  
**Research and  
Special Programs  
Administration**

400 Seventh St., S.W.  
Washington, D.C. 20590

JAN 10 2001

DOT-E 8125  
(TWELFTH REVISION)

EXPIRATION DATE: January 31, 2002

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Arbel-Fauvet-Rail  
Paris, France  
(U.S. Agent - Mary-Hoyt S. Joyce  
Washington, DC)

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION: This exemption authorizes the transportation in commerce of certain Division 2.1 (flammable) and 2.2 (nonflammable) gases and a Class 3 material listed in paragraph 6 below, in non-DOT specification IMO Type 5 portable tanks. This exemption provides no relief from any regulation other than as specifically stated herein.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.315 and 173.243(c) in that IMO Type 5 portable tanks are not authorized.
5. BASIS: This exemption is based on the application of Arbel Fauvet Rail's dated December 8, 1999 submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous materials description -- proper shipping name	Hazard Class/ Division	Identi- fication Number	Packing Group
Ammonia anhydrous, liquid	2.2	UN1005	n/a
Butadienes, inhibited	2.1	UN1010	n/a
Butane	2.1	UN1011	n/a
Isobutane	2.1	UN1969	n/a
Isobutylene	2.1	UN1055	n/a
Ethyl chloride	2.1	UN1037	n/a
Dimethylamine, anhydrous	2.1	UN1032	n/a
Ethylamine, anhydrous	2.1	UN1036	n/a
Trimethylamine, anhydrous	2.1	UN1083	n/a
Methyl chloride	2.1	UN1063	n/a
Propane	2.1	UN1078	n/a
Propylene	2.1	UN1077	n/a
Vinyl chloride, inhibited	2.1	UN1086	n/a
Trimethylchlorosilane	3	UN1298	II

\* NOTE: The materials listed above are authorized under this exemption and other Division 2.1 and 2.2 materials which have been specifically identified to and acknowledged in writing by the Office of Hazardous Materials Exemptions and Approvals (OHMEA) prior to the first shipment.

7. PACKAGING AND SAFETY CONTROL MEASURES:

a. Packagings prescribed are non-DOT specification non-insulated portable tanks designed and constructed in accordance with Fauvet-Girel drawings nos. CO165 756 Rev. O, CO-165 765A, CO166651 and Fauvet-Girel list of drawings No. CO-165 824A and calculations on file with the OHMEA, and in compliance with the following.

- (1) Code--Complies with ASME Section VIII Div. 1 but not certified, and to IMO Type 5 specification.

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(2) Number of Compartments - One.

(3) Tank Size (inches)  $\frac{\text{(outside dia.)} \times \text{(length)} \times \text{(thickness)}}{94.5 \quad 235.8 \quad .687}$

Head Thickness - .750.

(4) Water Capacity (U.S. Gallons) - 6,418.

(5) Material - Carbon steel or nickel alloy steel with tensile strength - 82,300 psi, yield strength - 56,560 psi and elongation - 22%.

(6) Design Pressure (PSIG) - 294.

Note: Design pressure means "maximum allowable working pressure (MAWP)" as used in the ASME Code.

(7) Test Pressure, Minimum (PSIG) - 441.

(8) Tank surface area (square feet) - 523.

(9) Pressure Relief Devices - Each tank must be equipped with 2 safety relief valves in series with and outboard of one rupture disc all set to relieve at not less than design pressure and not more than 110 per cent of tank design pressure. Total venting capacity is 1,455,000 SCFH.

The inlet of the pressure relief device must be in direct communication with vapor space at the midlength of the top centerline of the tank.

(10) G-Loadings: Vertical down 2; Vertical up 1; Longitudinal 2; and Transverse 1.

(11) Maximum Gross Weight - 61,729 pounds.

- b. Each tank must be equipped with an emergency control discharge valve consisting of internal shut-off valves that are provided with remote control means of automatic closure both mechanical and thermal. The fusible element in the thermal device may not have a melting point exceeding 250°F.

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8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. Each portable tank must be plainly marked on both sides near the middle, in letters at least two inches high on a contrasting background, "DOT-E 8125".

d. When transporting liquefied compressed gases, the tank must be filled in accordance with the provisions of § 173.315.

e. Each tank must be (i) visually inspected prior to each trip to insure that it has not been damaged on the previous trip; and (ii) retested and reinspected once every five years in accordance with § 173.32 as prescribed for DOT Specification 51 portable tanks.

f. Hydrostatic test certifications for each tank must be maintained by the owner or manufacturer at its principal business office and be made available to any representative of the DOT upon request.

g. Portable tanks may not be transported in container-on-flat car (COFC) or trailer-on-flat car (TOFC) service except under conditions approved by the Associate Director for Safety, Federal Railroad Administration.

h. No product may be shipped that has venting requirements exceeding 1,455,000 SCFH. The venting capacity required for each product must be determined by the flow formulas contained in Compressed Gas Association (CGA) pamphlet S-1.2.

9. MODES OF TRANSPORTATION AUTHORIZED. Cargo vessel, motor vehicle and rail freight.

10. MODAL REQUIREMENTS. A current copy of this exemption must be carried aboard each vessel used to transport packages covered by this exemption.

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11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8 who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



*for* Robert A. McGuire  
Associate Administrator  
for Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.  
Attention: DHM-31.

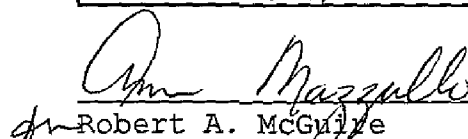
The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, SW, Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: AM

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Applica- tion Date	Issue Date	Expiration Date
Advanced Gas Technologies, Inc. Palm, PA	8/21/2000	9/22/2000	1/31/2002
Compagnie Des Containers Reservoirs Paris, France (U.S. Agent - ERMEWA Inc., Houston, TX)	12/10/1999	2/14/2000	1/31/2002
Ermetainer - C.C.R. Paris, France (U.S. Agent - ERMEWA Inc., Houston, TX)	12/10/1999	2/14/2000	1/31/2002
Permagas, Inc. Lake Stevens, WA	4/18/01	MAY 1 2001	1/31/2002

  
Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety